Anti Porcine NOD2
[ nucleotide-binding oligomerization domain ]

BACKGROUND
A cytosolic surveillance system mediated by the nucleotide-binding oligomerization domain (NOD) proteins plays an important role in recognizing intracellular microbe-associated molecular patterns (MAMPs). NOD2 recognizes low-molecular peptidoglycan fragments, such as muramyl dipeptide (MDP). Intracellular immunostaining of porcine NOD2-expressing cells with this antibody shows that porcine NOD2 is located in the cytosol and also appeared enriched close to the cell membrane. This antibody serve as powerful tools for biochemical and immunohistochemical analyzes of porcine NOD2 and for understanding the mechanisms of NOD2-mediated immune system in pigs.

Product type Primary antibody
Immunogen Amino acids 995-1008 of porcine NOD2
Host Species Rabbit
Fusion Partner -
Clone Designation -
Isotype -
Source Serum
Purification Immunogen affinity purified
Buffer Phosphate Buffered Saline (PBS, pH7.4) with 0.1% NaN₃ as a preservative*
Concentration 0.84 mg / mL
Volume 50UL
Label Unlabeled
Specificity Porcine NOD2
Cross reactivity Reacts with porcine. Not yet tested in other species.
Storage Store below -20°C (below -70°C for prolonged storage).
Aliquot to avoid cycles of freeze/thaw.

Application notes
• Immunohistochemistry: 1/25-1/500
Recommended
dilutions
• Flow cytometry: 1/50-1/500
• Western blotting: 1/25-1/500

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References

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ANTIBODY CHARACTERIZATION

**Fig.1** Immunofluorescence staining of NOD2 in Porcine NOD2-expressing HEK293 cells with anti Porcine NOD2 antibody.  [ Green: NOD2, Red: Nuclei ]  Ref.1)

**RELATED PRODUCT:**

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<th>Product Name</th>
<th>Application</th>
<th>Quantity</th>
<th>Maker</th>
<th>Cat#</th>
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